

**HPNS Technical Team Meeting Agenda
November 20, 2018, 1000-1100 PT**

1. Welcome and check-in

Navy BRAC – Steve Banister, ~~Pat Brooks~~, Danielle Janda, Derek Robinson, Thomas Macchiarella, Liz Roddy

Navy BRAC Consultants – Craig Bias, John Hackett, Scott Hay, Kim Henderson, Kathy Higley, Alex Lopez

RASO – ~~Zach Edwards~~, Matt Liscio, ~~Matt Slack~~

EPA and consultants – Karla Brasaemle, ~~John Chesnut~~, Jana Dawson, Donna Getty, David Kappelman, Jackie Lane, Lily Lee, ~~Lyndsey Nguyen~~

DTSC – Nina Bacey, ~~Janet Naito~~

CDPH – Sheetal Singh, ~~Matt Wright~~

City (includes OCII/SFDPH and consultants) – Amy Brownell, ~~Bob Burns~~, Christina Rain, ~~Dorinda Shipman~~

Water Board – Tina Low, ~~David Tanouye~~

2. Parcel G and background soil work plans and SAP

- Draft Final issued 11/2

- Feedback?

- i. Lily indicated that overall most of EPA's major issues have been incorporated.

There are still some comments (mostly SAP details) and some bigger picture issues (related to the FYR, PRG calculator, and agree to disagree language in the RTCs) that are being discussed with management. The following specific comments were discussed:

1. The alpha and beta levels are listed as 0.05 in the work plan whereas EPA designed the sample numbers (n=25) and approach on 0.01.
 - a. 0.05 was incorporated into the number of samples calculation and scan MDC following MARSSIM approach and the number of samples will be recalculated once background is available. The Navy will look into using 0.01.
2. There are COCs in the HRA what were not included for analysis in the work plan. Pu-239 needs to be included for Building 351A, U-235 needs to be included for Building 364, and Th-232 needs to be included for Building 351, or the rationale for not including the ROCs needs to be provided. Co-60 was also discussed but is ok not to include based on the half-life and decay.
3. MDC calculation for gamma scanning are not realistic based on the assumptions for a surveyor efficiency of 100% and the contaminated zone. EPA requested the work plan reflect what can realistically be detected and achievable ILs.

- a. The suggested MDC modeling parameters were requested to be included as part of EPA's comments.
 4. It is not clear how the scan speed will be confirmed to meet scan MDCs, where the procedure is included to investigate exceedances, the basis for the Radio Solutions instrument calculations, and at what point bias samples will be collected.
 - a. Checking scan speed to verify meeting scan MDCs is part of standard rad procedures/SOPs and this can be added to the final work plan if needed. John can provide Dave with references to locations in work plan for clarification.
 5. There are some sections where we all NORM analyses (e.g., reporting all isotopes by alpha spec for U and Th) are not included.
 - a. This can be clarified in the work plan per specific comments once received.
 6. Parametric statistics are still included in the background plan and it is not clear whether the distribution will be evaluated prior to the use of parametric vs non-parametric tests.
 - a. This can be clarified in the work plan.
 - ii. Nina indicated that DTSC does not have additional comments.
 - iii. Sheetal indicated that Matt Wright is out this week but did note potential calculation issues with the number of samples in Table 3-2. She also asked which COC the sample number calculation will be based on.
 1. The calculation will be based on Ra-226, consistent with previous work, and because Ra-226 is expected to be consistently present in background whereas at Cs-137 may not be present at depth in background.
 - iv. Additional written comments are expected from EPA likely next week (but Lily will confirm with management) and from CDPH the week of 12/3.
3. Schedule for finalizing findings reports
 - Pending Navy review of RTCs and draft final
 - i. Parcels B and G Soil
 - ii. Parcels D-2, UC-1, UC-2, and UC-3 Soil
 - Pending EPA comments
 - i. Buildings – mid-December
 - ii. Parcel C Soil – mid-December
 - iii. Parcel E Soil – as soon as possible
4. Future calls/meetings
 - Status call - 12/4/18, 1000-1100 PT
 - Status call - 12/18/18, 1000-1100 PT